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Date Produced	Date Received	TSCA section
8/10/73	12/02/91	8D
Submitting Organization		
ROHM & HAAS CO		
Contractor		
HARRIS LABORATORIES		
Document Title		
TOXICITY SCREENING WITH ISOBUTYL ACRYLATE; 15 PPM, 50 PPM, 100 PPM, MEHQ WITH COVER SHEET AND LETTER DATED 112291		
Chemical Category		
ISOBUTYL ACRYLATE (106-63-8)		

CONTAINS NO



91 DEC -2 AM 11:43

November 22, 1991

86-920000311

Document Processing Center (TS-790)
ATTN: 8(d) Health and Safety Reporting
Rule (Notification/Reporting)
Room L-100
Office of Toxic Substances
Environmental Protection Agency
401 M Street, S.W.
Washington, DC 20460

Gentlemen:

SUBJECT: TSCA Section 8 (d) Submittal
Isobutyl Acrylate
Dimethyl Sulfone
Acetaldehyde

In response to EPA's TSCA Section 8(d) Reporting Rule published in the Federal Register of August 29, 1991, we are herein submitting copies of Health and Safety Studies for the above listed chemical substances. These copies are indexed as Attachments I to VIII.

These studies have been obtained from file searches conducted at all pertinent Rohm and Haas locations and are being submitted on behalf of:

Rohm and Haas Company
Corporate Headquarters
Independence Mall West
Philadelphia, PA 19105

Sincerely,

George J. Powell / R&H
George J. Powell
Senior Regulatory Specialist
Product Integrity Department
215-592-2986

GJP:crb

Documents Submitted to EPA Under Section 8(d)
58FR42688, August 29, 1991

<u>Attachment Number</u>	<u>Author</u>	<u>Title</u>	<u>Date</u>	<u>CAS No.</u>
<u>Acetaldehyde</u>				
1	Kraus, S. S. and Williams, D. C.	Preliminary Hazard Analysis: Acetaldehyde and Vinyl Acetate Exposure in Vinyl Acetate Containing Latexes and Paints	04/19/90	75-07-0
<u>Dimethyl Sulfone</u>				
2	--	Dimethyl sulfone, acute toxicity	07/07/81	67-71-0
3	Heitmuller, T.	Acute Toxicity of Dimethylsulfone to Fiddler Crabs (<u>ura pugilator</u>)	01/22/81	67-71-0
4	Hollister, T.	Toxicity of Dimethylsulfone to the Marine Alga <u>Skeletonema costatum</u>	12/29/80	67-71-0
5	Hollister, T.	Acute Toxicity of Dimethylsulfone to Mysid Shrimp (<u>Mysidopsis bahia</u>)	12/29/80	67-71-0
6	Heitmuller, T.	Acute Toxicity of Dimethylsulfone to Sheepshead Minnows (<u>Cyprinodon variegatus</u>)	12/29/80	67-71-0
<u>Isobutyl Acrylate</u>				
7	Harris, L.	Toxicity Screening, Isobutyl Acrylate; 15 ppm, 50 ppm, 100 ppm, MEHQ	08/10/73	106-63-8
8	Hycum, J. S.	Isobutyl Acrylate, Range Finding Toxicity Studies	11/08/67	106-63-8

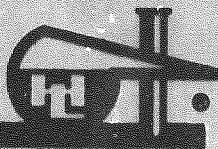
CONTAINS NO CBI

HARRIS LABORATORIES
INCORPORATED

Research

Development

Testing



AREA CODE 402
TELEPHONE 433-2011

P. O. BOX 99837 - 624 PEACH STREET
LINCOLN, NEBRASKA 68501

Report of Analysis

For Rohm & Haas Company
Research Laboratories
Spring House, Pennsylvania 19477

Date August 10, 1973

Laboratory No. 8380

73RC-1036

Sample of Isobutyl Acrylate 15 ppm
MEHQ

Received June 19, 1973

Sample Marked 6-6103

A. ORAL ADMINISTRATION (Male Rats, 100-150 Gms.)

2 of 6 rats survived for the 7 day test period. 2 rats died on day 2.
1 on day 4, and 1 on day 6.

Comment: mildly-toxic. Animals developed diarrhea and had enlarged ceca.

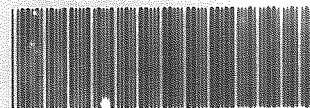
B. DERMAL APPLICATION (Albino Rabbits, 1.8-2.2 Kg.)

6 of 6 rabbits survived for the 72 hour test period.

Primary irritation score - 2

Comment:

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C. EYE APPLICATION (Albino Rabbits, 1.8-2.2 Kg.)

6 of 6 rabbits survived for the 7 day test period.

Comment: Non-irritating.

D. INHALATION TOXICITY (Male and Female Rats, 200-250 Gms.)

4 of 6 rats survived for the 7 day test period. 1 rats died on day 6.
1 on day 7, and on day .

Comment: Mildly-toxic. Post-mortem examination revealed lungs which were red in color and appeared to be irritated.



Methods:

Rohm & Haas "Toxicity Screening"
protocol received December, 1972.

SAMPLES ARE DISCARDED IN 15 DAYS FROM DATE OF REPORT UNLESS WE ARE REQUESTED, IN WRITING, TO RETAIN THEM FOR A LONGER PERIOD. PERISHABLE SAMPLES ARE USUALLY DISCARDED IMMEDIATELY UNLESS CLIENT HAS REQUESTED SPECIAL HANDLING (FREEZING, ETC.) IN ADVANCE.

Respectfully submitted,
HARRIS LABORATORIES, Inc.

By

Lewis E. Harris



Report of Analysis

For Rohm & Haas Company
Research Laboratories
Spring House, Pennsylvania 19477

Date August 10, 1973

Laboratory No. 8380

Sample of Isobutyl Acrylate 50 ppm
MEHQ

Received June 19, 1973

Sample Marked 6-6110

A. ORAL ADMINISTRATION (Male Rats, 100-150 Gms.)

2 of 6 rats survived for the 7 day test period. 2 rats died on day 2.
2 on day 3, and on day .

Comment: Mildly-toxic. Animals did not eat normally after exposure.
Post-mortem examination revealed distended intestinal tract.

B. DERMAL APPLICATION (Albino Rabbits, 1.8-2.2 Kg.)

6 of 6 rabbits survived for the 72 hour test period.

Primary irritation score - 2

Comment:

C. EYE APPLICATION (Albino Rabbits, 1.8-2.2 Kg.)

6 of 6 rabbits survived for the 7 day test period.

Comment: Non-irritating.

D. INHALATION TOXICITY (Male and Female Rats, 200-250 Gms.)

0 of 6 rats survived for the 7 day test period. 3 rats died on day 2.
1 on day 3, and 2 on day 4.

Comment: Highly-toxic. Post-mortem examination revealed lungs
which were dark red in color.



Methods:

Rohm & Haas "Toxicity Screening"
protocol received December, 1972.

SAMPLES ARE DISCARDED IN 15 DAYS FROM DATE OF REPORT UNLESS WE
ARE REQUESTED, IN WRITING, TO RETAIN THEM FOR A LONGER PERIOD.
PUSHABLE SAMPLES ARE USUALLY DISCARDED IMMEDIATELY UNLESS
CLIENT HAS REQUESTED SPECIAL HANDLING (FREEZING, ETC.) IN ADVANCE.

Respectfully submitted,

HARRIS LABORATORIES, INC.

By

Louis E. Harris



Report of Analysis

For Rohm & Haas Company
Research Laboratories
Spring House, Pennsylvania 19477

Date August 10, 1973

Laboratory No. 8380

Sample of Isobutyl Acrylate 100 ppm
MEHQ

Received June 19, 1973

Sample Marked 6-6430

A. ORAL ADMINISTRATION (Male Rats, 100-150 Gms.)

0 of 6 rats survived for the 7 day test period. 1 rats died on day 2.
3 on day 3, and 1 on day 5. 1 on day 6

Comment: Mildly-toxic. Post-mortem examination revealed distended intestinal tract and enlarged cecum.

B. DERMAL APPLICATION (Albino Rabbits, 1.8-2.2 Kg.)

6 of 6 rabbits survived for the 72 hour test period.

Primary irritation score - 2

Comment:

C. EYE APPLICATION (Albino Rabbits, 1.8-2.2 Kg.)

6 of 6 rabbits survived for the 7 day test period.

Comment: Non-irritating.

D. INHALATION TOXICITY (Male and Female Rats, 200-250 Gms.)

0 of 6 rats survived for the 7 day test period. 4 rats died on day 2.
2 on day 3, and on day .

Comment: Highly-toxic. Lungs were darkened in color.



Methods:

Rohm & Haas "Toxicity Screening"
protocol received December, 1972.

SAMPLES ARE DISCARDED IN 15 DAYS FROM DATE OF REPORT UNLESS WE
ARE REQUESTED, IN WRITING, TO RETAIN THEM FOR A LONGER PERIOD.
PERISHABLE SAMPLES ARE USUALLY DISCARDED IMMEDIATELY UNLESS
CLIENT HAS REQUESTED SPECIAL HANDLING (FREEZING, ETC.) IN ADVANCE.

Respectfully submitted,
HARRIS LABORATORIES, Inc.

By

Louis E. Harris

CERTIFICATE OF AUTHENTICITY

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